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### (54) Encrypting keypad module

(57) An encrypting keypad module (10) comprising a keypad (12) and an encryption unit (14) is described. The module (10) includes a reader (16) (such as a Smart card reader) for receiving a removable secure device (50) (such as a Smart card). The keypad module (10) is operable to communicate with the Smart card (50) and

to receive secure data therefrom. This secure data may relate to a new PIN key, a new encryption algorithm for use with a PIN key, or such like. An encrypting keypad system, and a method of changing secure information stored in an encrypting keypad module, are also described.

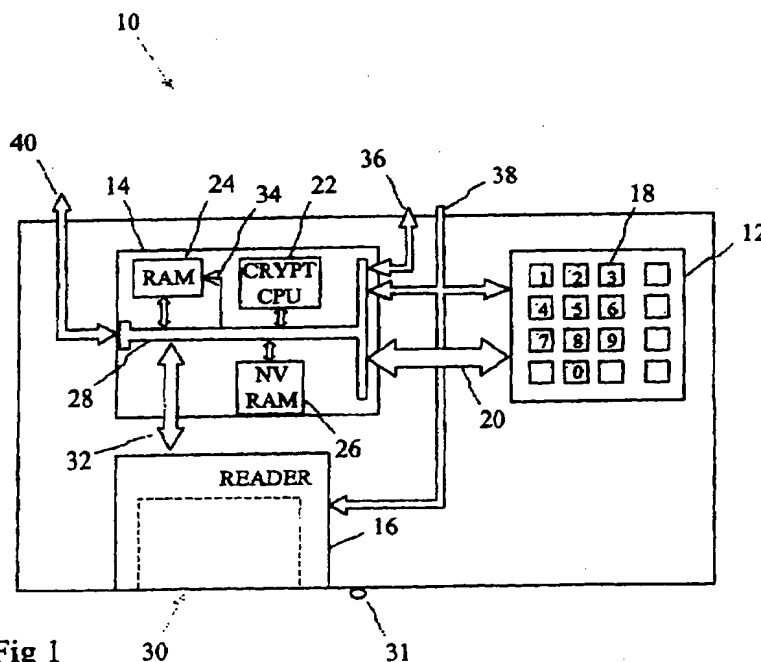


Fig 1

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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 2228

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCL7)
X	US 5 825 875 A (UGON) 20 October 1998 (1998-10-20)	1,3,5-8	G07F7/10
A	* column 1, line 47 - line 65 * * column 4, line 37 - column 6, line 48; figure 1 *	2,4	
X	US 5 815 577 A (CLARK) 29 September 1998 (1998-09-29)	1,6,8	
A	* column 4, line 23 - column 6, line 54 * * column 8, line 8 - column 9, line 22; figures 2,3,11 *	2-5,7	
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A	* column 1, line 44 - column 2, line 26 * * column 2, line 61 - column 8, line 43; figure 1 *	2,3,5,7	
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	* column 5, line 31 - column 10, line 68; figures 1-6 *		
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>22 January 2003</b>	Examiner <b>Rivero, C</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

EPF FORM 1503 03 82 (H04C01)

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ANNEX TO THE EUROPEAN SEARCH REPORT  
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